

In the CLAIMS please DELETE CLAIMS 1-15 and ADD NEW CLAIMS 16-35

WHAT IS CLAIMS

CLAIMS 1-15 (DELETE)

CLAIM 16. (NEW) A mobile vacuum boring and mud recovery method comprising the steps of: a compact arrangement means to minimize the surface footprint of a system comprising a vacuum debris container, and a liquid storage container, said vacuum debris container being mounted at an inclined slope sufficient to allow said liquid storage container to be mounted below said incline of said vacuum debris container.

CLAIM 17. (NEW) A mobile vacuum boring and mud recovery method comprising the steps of: a compact arrangement means to minimize the surface footprint and concentrate weight of a system comprising a vacuum debris container, and a liquid storage container, said vacuum debris container being mounted at an inclined slope sufficient to allow debris to empty from said debris container by gravity and to provide space for said liquid storage container to be mounted below said incline of said vacuum debris container and further comprising the steps of: having a means of mounting a filter housing adjacent to said vacuum debris container so as to allow a single door access to both said filter housing and said vacuum debris container, and providing a means of producing a vacuum within said vacuum container and said filter housing having connecting conduits to flow air from said vacuum debris container through said filter housing to said vacuum producing

means, and said filter housing having filters disposed within it to remove debris from said air.

CLAIM 18.(NEW) A mobile vacuum boring and mud recovery method comprising the steps of: a compact arrangement means to minimize the surface footprint of a system comprising a vacuum debris container, and a liquid storage container, said vacuum debris container being mounted at an inclined slope sufficient to allow said liquid storage container to be mounted below said incline of said vacuum debris container and said liquid storage container being configured so as to add structurally support to said vacuum debris container.

15 CLAIM 19.(NEW) A vacuum boring and mud recovery method of claim 16, further comprising the steps of having said liquid storage container be formed congruent with said debris tank.

CLAIM 20. (NEW) A vacuum boring and mud recovery method as described in claim 16, further comprising the steps of: having a means of mounting a vacuum blower, a pressure water pump and a power plant on a common unitized mounting support base.

CLAIM 21.(NEW) A vacuum boring and mud recovery method as described in claim 16, having a unitized common support base adjacently mounted, comprising one or more of a vacuum blower exhaust muffler, base mount for a vacuum pump, base mount for a power plant, base mount for a water pump, hydraulic reservoir, or fuel reservoir.

CLAIM 22.(NEW) A vacuum boring and mud recovery method as described in claim 16, further comprising the steps of: having a means of mounting a vacuum filter housing adjacent to said vacuum debris container so as to allow a single door access to both the filter housing and said vacuum debris container.

CLAIM 23.(NEW) A vacuum boring and mud recovery method as described in claim 22, further comprising the steps of: having a means to open or close said debris access door using a telescoping means disposed within said debris container, said telescoping means being a hydraulic cylinder or linear actuator.

CLAIM 24.(NEW) A vacuum boring and mud recovery method as described in claim 16, further comprising the steps of: having a means of separating liquids from solids comprising a vibrating screen disposed within said vacuum container.

CLAIM 25.(NEW) A vacuum boring and mud recovery method of claim 24, further comprising the steps of: having a means to dispense a liquid from said vacuum container without eliminating the vacuum environment within said vacuum container.

CLAIM 26.(NEW) A vacuum boring and mud recovery method of claim 16, further comprising the steps of: having a means to dispense liquids and solids from said vacuum container without eliminating the vacuum environment within said vacuum container.

CLAIM 27.(NEW) A vacuum boring and mud recovery method of claim 25, further comprising the steps of: having a means to dispense a solid from said vacuum

container without eliminating the vacuum environment within said vacuum container.

CLAIM 28. (NEW) A vacuum boring and mud recovery method of claim 16, further comprising the steps of: having a vacuum conduit means to vacuum liquids or solids into said debris container, and said vacuum conduit being mounted adjacent to an articulated boom, and said articulated boom having one or more elbows and arms.

CLAIM 29. (NEW) A vacuum boring and mud recovery method of claim 28, further comprising the steps of: said vacuum conduit being disposed within the structural support members of said articulated boom.

CLAIM 30. (NEW) A vacuum boring and mud recovery method of claim 29, further comprising the steps of: said boom arm comprising one or more of a rotating knuckle, a rotating elbow, a telescoping boom, or an earth digging bucket mounted adjacent to said boom.

CLAIM 31. (NEW) A vacuum boring and mud recovery method of claim 29, further comprising the steps of: said boom arm having adjacently mounted one or more of a hydraulic torque wrench, 360 degree rotating elbow, 360 degree rotating knuckle, telescoping vacuum conduit, earth digging bucket, earth penetrating utility sensor, earth penetrating utility locator, man hole cover remover, high pressure water demolition means, sand blasting attachments, water jetter nozzle, vacuum conduit tractor, concrete cutting means, asphalt cutting means, surface

cleaning attachments, vibrator excavation means, aerodynamic rotary water jet surface cleaner, multiple rotary pulse water nozzles arranged around the circumference of the suction end of a vacuum conduit, and pressurized water conduit.

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CLAIM 32.(NEW) A vacuum boring and mud recovery method of claim 25, further comprising the steps of: having a means to recycle said dispensed water from said vacuum container to a pressurized spray nozzle, said dispensed water recycler having one or more of a water pump, water conduit, water spray nozzle, vibrating filter, liquid container, or pressurized water surface cleaner.

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CLAIM 33.(NEW) A vacuum boring and mud recovery method of claim 25, further comprising the steps of: having a means to recycle said liquid to a surface cleaning means having one or more of a water pressure spray nozzle, a means to direct said nozzle to impinge said surface to be cleaned, a housing to contain said liquid spray, a vacuum conduit attachment to said housing, a vacuum conduit to vacuum said sprayed liquid from said surface to said vacuum container.

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CLAIM 34.(NEW) A vacuum boring and mud recovery method of claim 29, further comprising the steps of: attaching an excavation bucket on the end of said boom arm and providing an extension arm connected to the end of said vacuum conduit for removing debris, said extension arm being provided with a means to spray liquid in order to loosen debris.

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CLAIM 35.(NEW) A vacuum boring and mud recovery method of claim 16, further
comprising the steps of: providing a mobility means chosen from mounting said
vacuum boring and mud recovery method on one of a powered zero-turn radius
10 vehicle, a powered track mobile vehicle, a track hoe, a back hoe, a trailer, a skid
mount, an attachment for a skid steer, an attachment for a fork lift, a truck
mounted unit and a rail road car mounted unit.

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